

AEC ⁴(UCRL-Trans-10504) ⁵VOLCANIC CYCLES AND METAL-
LOGENY OF NOVAYA ZEMLYA. ⁶Mutafi, N. N. ^{7a10}Translated by
A. Mincer for Univ. of California, Lawrence Radiation Lab., Liver-
more, from ¹⁵Probl. Sov. Geol.; 17: No. 3, 210-25(1937). ¹²⁰40p.
²⁴Dep. NTIS.

²⁶geology; translations ²⁷08G

²⁸MN-51 ²⁹P NSA

A Preliminary Report,

Separation of the Main Groups of Soil Phosphates
by G. S. Devyatın, 17 pp.

RUSSIAN, per, Problemy Sovet Pochvovedeniya, No 7,
1939, pp 149-162.

SLA R-2418

Sci

Aug 58

72, 223

IMMUNOLOGY OF EMBRYONIC DEVELOPMENT, BY OK.
XX YE. VYAZOV, 12 PP.

RUSSIAN, BK, PROBLEMY SOVREMENNOY EMBRIOLOGII,
LENINGRAD, 1956, PP 311-317.

JPRS 16392

SCI - MED

DEC 62

217,204

STUDY OF THE MORPHOLOGICAL AND ANTIGENIC
PROPERTIES OF ORGANS AND TISSUES OF ANIMALS
IN ONTOGENESIS, BY B. V. KONYUKHOV, R. F.
AVERKINA, 6 PP.

RUSSIAN, BK, PROBLEMY SOVREMENNOY EMBRIOLOGII,
LENINGRAD, 1956, PP 317-321.

JPRS 16392

SCI # - MED

EC 62

217,205

LIST OF THE PARTICIPANTS AT THE CONFERENCE
OF EMBRYOLOGISTS, 14 PP.

RUSSIAN, BK, PROBLEMY SOVREMENNOY EMBRIOLOGII,
LENINGRAD, 1956, PP 394-397.

JPRS 16392

SCI - MED

DEC 62

217,206

Problems of Contemporary Latin America, by M. V.
Danilevich, A. F. Shul'govskiy, 38 pp. A Symposium
FOR OFFICIAL USE ONLY

RUSSIAN, ~~by~~ Problemy Sovremennoy Latinskoy Ameriki,
1959, 366 pp.

CIA/FDD X-4444

Latin America

Econ

Sep 60

Problems of Contemporary Chemistry of Coordination Compounds, by S. A. Shchukarev and L. S. Lilich,

RUSSIAN, bk, Problemy Sovremennoi Khimii i Koordinatsionnykh Soedineniy,

*CB

Jan 66

Results of an Operation Involving Perforation
of the Corpus Callosum in Hydrocephalus of
Children, by M. V. Putsillo, et al.
RUSSIAN, per, Probl Sovr Neirokhir, Vol 4,
1962, pp 25-35.
IDW NIN 11-2-65

Sci/B&M
Mar 66

297,069

Section of the Corpus Callosum in
Animals with Experimentally Produced
Hydrocephalus, by M. V. Putsillo.
RUSSIAN, Per, Prob Sovr Neurokhir,
Vol 4, 1962, pp 36-43.
NIM 6-17-65

Sci/B&M
Jul 65

283,708

Investigation of Mixers of the Combustion Chamber
of Gas and Steam-Gas Turbines, by I. B. Palatnik
& D. Zh. Temirbayev, 14 pp.

RUSSIAN, per. Alma-Ata. Kazakhskiy Nauchno-
Issledovatel'skiy Institut Energetiki. Problemy
Teploenergetiki i Prikladnoy Teplofiziki, No 1,
1964, pp 73-82. P100122768-V

FTD-MT-24-145-67

Sci/Prop & Fuels
Jul 68

360,120

Investigation of Diffusion Flames, by
Sh. A. Yershin & L. P. Yarin. 37 pp
RUSSIAN, per, Alma-Ata, Kazakhskii Nauchno-
Issledovatel'skiy Institut Energetiki, Problemy
Teploenergetiki i Prikladnoy Teplofiziki, No 1,
1964, pp 101-139. P100103568-V
FTD-MT-24-165-67

Sci/Chem
June 68

359,328

Aerodynamic and Heat Exchange Studies
in an Annular Channel With an Inner
Rotating Cylinder, by V. N. Zmeykov,
B. P. Ustimenko, 36 pp.
RUSSIAN, per, Problemy Teploenergetiki
i Prik Teplofiziki, No 1, 1964,
pp 148-172. P100023567
FTD-TT-65-2026

Sci - Elect & Elec Engr
Fev 67

320,001

Trial of Treatment of Pulmonary Tuberculosis With
BCG Vaccine, by B. Khmel'nitskiy, S. Rabinovitch,
3 pp.

RUSSIAN, per, Problemy Tuberk, Vol X, 1940,
pp 5-14.

SLA Tr 893

Sci - Medicine
Jan 58

57,303

Author's Neurological Method in Treatment of
Laryngeal Tuberculosis, by I. S. Zobin, 2 pp

RUSSIAN, per Problemy Tuberk, No 3, 1942, p 36

SLA R-1072

Sci-Medicine

Mar 58

61,594

Use of Sulfadiazine (preparation "805")
in the Treatment of Pulmonary Tuberculosis, by
L. B. Borokhina, 6 pp.

RUSSIAN, per, Problemy Tuberkuleza, No 2,
1944, pp 41-44.

Sci Tr Center
NT-1468

Scientific - Medicine

18,890

Investigation of the Chemotherapeutic Properties
of Certain Amides of A-Furancarboxylic Acid in
Tuberculosis, by F. L. ~~Shpanir~~ Shpanir, E. I.
Chertkova, 16 pp. *6*

RUSSIAN, per, Problemy Tuberkuleza, No 3, 1944,
pp 9-15.

Sci Trans Center RT-658

scientific - Medicine
GIS/DEX

10,942

Vaccination Against TB, by M. Klebanov, 8 pp.

RUSSIAN, per, Problemy Tuberk, No 1, Jan 1949,
pp 50-54.

SLA R-835

Sci - Medicine
Jan 58

57,304

Experience With Combined Vaccination Against
Tuberculosis and Diphtheria, by A. Ivenskaya,
S. Feygina, 4 pp.

RUSSIAN, per, Problemy Tuberk, Vol VI, 1950,
pp 42-44.

SLA Tr R-892

Sci - Medicine
Jan 58

57,301

TT-63-20940

Linnikova, M. A. and Sil'd, I. Ya.
A STUDY OF THE GROWTH FACTORS FOR THE
TUBERCLE BACILLUS DURING THE PREPARATION
OF TUBERCULINS. [1963] 10p 4refs
Order from OTS, SLA, or ETC \$1.10 TT-63-20940

I. Linnikova, M. A.
II. Sil'd, I. Ya.

Trans. of Problemy Tuberkuleza (USSR) 1951, no. 1,
p. 44-48.

DESCRIPTORS: *Tuberculin, Preparation, *Mycobacterium tuberculosis, Growth (Physiology).

(Biological Sciences--Pharmacology, TT, v. 11, no. 9)

Office of Technical Services

Current Tuberculosis Control Problems in the USSR,
by A. ~~Levin~~ Lepina, 24 pp.

RUSSIAN, per, Problemy Tuberk, No 3, May/Jun 1952,
pp 3-13.

SLA Tr R-839

Sci - Medicine
Jan 58

57, 311

Interrelations Between Heightened Sensitivity
and the Organism's Resistance (Allergy and Immunity)
in the Process of Infection, by V. F. Chernyshev,
22 pp.

RUSSIAN, per, Problemy Tuberkuleza, No 3, ~~the~~ 22 May/
Jun 1952, pp 14-22.

NIH Tr 4-33

Sci - Medicine
May 1957 CTS/dex

47, 465

The Effect of Some Pharmacologic Substances on the
Size and Shape of Tuberculous Cavities of the
EX lung, by V. Ivanov, 14 pp.

RUSSIAN, per, Problemy Tuberk, Vol II, Mar/Apr
1952, pp 25-30.

SLA Tr R-891

Sci - Medicine
Jan 58

57,299

Study of the Biologic Properties of Tubercle Bacilli
of the Marine Type, by M. Ivanova, 14 pp.

RUSSIAN, par, Problemy Tuberk. Vol III, May/Jun 1952,
pp 22-28.

SLA Tr R-890

Sci - Medicine
Jan 58

57,300

Ivenskaya, A. M.
CURRENT VIEWS ON ANTIBIOTIC TREATMENT
FOR CHILDREN AND ADOLESCENTS IN THE
EARLY PERIOD OF TUBERCULOUS INFECTION
(Sovremennoe Sostoyaniye Problemy Lecheniya Anti-
biotikami Detei i Podrostkov v Rannem Periode
Tuberkuleznoi Infektsii) tr. by R. Crawford. [1961]
[11]p. 36 refs. [NH]-7.
Order from OTS or SLA \$1.60

62-15155

Trans. of Probl[em]y Tuberk[uleza] (USSR) 1955,
no. 4, p. 72-76.

DESCRIPTORS: *Antibiotics, Therapy, *Tuberculosis,
Infections, Diseases, Therapy.

(Biological Sciences--Pathology, TT, v. 7, no. 12)

62-15155

I. Ivenskaya, A. M.
II. NH-7
III. Pergamon Inst. (Gt. Brit.)

Office of Technical Services

BD-15/60

(DC-3889)

Mark Il'ich Oyfebakh, 2 pp.

RUSSIAN, per, Problemy Tuberkuleza, No 7, 1958,
p 119.

JPRS 3666

USSR

Biog

Aug 60

BD-15/60

(DC-3889)

Zinaida Yulianovna Rol'ye (On Her 70th Birthday and
45th Anniversary of Her Medical, Scientific and
Pedagogical Activity), 2 pp.

RUSSIAN, per, Problemy Tuberkuleza, No 3, 1959,
pp 113, 114.

JPRS 3566

USSR

Biog

Aug 60

(NY-3442).

The 75th Birthday of Aleksandr Viktorovich
Pakhomov, 2 pp.

RUSSIAN, per, Problemy Tuberkuleza, No 5, 1959.

JPRS 2466

Sci - Misc

Apr 60

(DC-4958).

Mark Abramovich Klebanov, 2 pp.

RUSSIAN, per, Problemy Tuberkuleza, Vol XXXVIII,
No 1, 1966, pp 117-118.

2
*JPRS 6793

USSR

Bio

13 Dec 66

18

(DC-3826)

The First All-Russian Congress of Phthisiologists,
by S. R. Lachinyan, 8 pp.

RUSSIAN, per, Problemy Tuberkuleza, No 2, 1960,
pp 69-73.

JPBS 3616

Sci - Med - Phthisiology

Aug 60

121,629

(SF-1345).

D. D. Aseyev: 60th Birthday, 2 pp.

RUSSIAN, per, Problemy Tuberkuleza, No 3, 1960,
pp 124-125.

*JPRS

USSR

Bio

22 Dec 60

S-970/64

A Case of Chronic Beryllium Granulomatosis of
the Lungs, by Ye. F. Odnoletkova, *Sep* (SF-3347)

RUSSIAN, per, Problemy Tuberkuleza, Vol XXXIX,
No 4, 1961, pp 93-94.

JPRS 27031

Sci - Chem
Sept 64

On the Tole of Chronic Tubercular Intoxication in the
Development of Leukopenia, by V. M. Voityuk, 14 pp.
RUSSIAN, per, Problemy Tuberkuleza, Vol XXIX, No 5,
1961, pp 103-110.

Navy Tr 3745/NMS 851

Sci - Biol & Med
Mar 64

251,671

(8P-18278)

Scientific Conference of the Tuberculosis
Specialists of Georgia, by L. S. Kartosiya,
8 pp.

RUSSIAN, per, Problemy Tuberkulosa,
No 1, 1962, pp 122-125.

JPRS 13751

Sol - Med
May 62

196, 984

Main Trends of Scientific Research on Tuberculosis, by
F. V. Shexbanov, 7 pp.

RUSSIAN, per, Problemy Tuberkuleza, Vol XLI, No 9, 1963,
pp 3-7.

JPRS 22589

Sci-Biol & Med
Jan 64

245, 557

Skin Tuberculin Sensitivity in Patients
with Pulmonary Tuberculosis During
Antibacterial Therapy, by S. P. Geffer et al.
RUSSIAN, per, Probl. Tuberk, 1963, pp 34-37.
#Dept of Navy/RMB

Sci-B&M
Oct 66

Bronchoscopy in Clinical Treatment of
Minor Forms of Tuberculosis, by V. V.
Malov. 12p.

RUSSIAN, per, Probl. Tuberk., Vol 42,
1964, pp 20-26.

Dept of Navy 4856/MMS 1101

Sci-B&M
Oct 66

310,474

Problems of Spatial Perception and Spatial
Concepts, Edited by B. G. Anan'yev, B. F. Lomov, 273 pp.
RUSSIAN, bk, Problemy Vospriyatiya Prostranstva
i Prostranstvennykh Predstavleniy, Moscow, 1961,
200 pp. 9222901-V
NASA TT F-164

Sci - Phys
Jul 64

262,845

S-289/60

(NY-3937)

The 21st Congress of the CPSU and Tasks of
Oriental Studies, 11 pp.

RUSSIAN, per, Problemy Vostokovedeniya, No 1, 1959,
pp 18-25.

JPRS 5036

USSR

Soc - Oriental
studies in USSR

121,529

Aug 60

(DC-3302).

Criticism of Some of the Philosophical and
Sociological Views of the Bourgeois Right-Wing
Elements and Revisionists in China (1957-1958),
by Huo Zhao-Tsang, 15 pp.

RUSSIAN, par, Problemy Vostochnovedeniya, No 5, 1958,
pp 83-92.

JPRS 3091

111,231

PE - China

Fol

Mar 60

(NY-5132)

Soviet-Chinese Economic Cooperation, by N. I.
Sladkovskiy, 15 pp.

RUSSIAN, per, ~~Problemy~~ Vostokovedeniya, No 3,
Jul 1960, pp 108-117.

JPRS 7155

USSR
PE - China
Econ
Dec 60

134,493

(DC-5929)

Some Problems of Chinese History at the 25th
International Congress of Orientalists, by
V. N. Nikiforov, 11 pp.

RUSSIAN, per, Problemy Vostokovedeniya, No 1,
Mar 1961, pp 199-205.

JPRS 8619

FE - China

Soc

Aug 61

162,386

Trudy Nauchno - Issledovatel'skogo Instituta
Biologii i Biologicheskogo Fakul'teta

RUSSIAN, bk, Problemy Vozrastnoi Fiziologii, *Leont'ev*
Vol ~~XX~~, 1960, 350 pp

29

*PL480

OTS-11367

Sci

4 May 62

Proceedings of the Institute of Biology and of the
Department of Biology.

RUSSIAN, per, Problemy Vozrastnoy Fiziologii
i Biokhim, Vol XXIX, 1960, 321 pp.

*PL-480
OTS-63-11067
PST-822

Sci

Jan 683

(DC-6671)

Biological Currents of Muscles & in
Young Athletes During Repeated Strength,
Speed, and Endurance Exercises, by
D. P. Bukreyeva, 26 pp.

RUSSIAN, per, Problemy Vrachebnogo
Kontrolya, No 5, 1960, pp 301-316.

JPRS 13422

192, 120

Sci - Med
Apr 62

(DC-6671)

Changes in Electric Activity of the
Brain During Various Kinds of
Physical Exercises, by L. I. D'ina,
Ye. V. Kukolevskaya, 23 pp.

RUSSIAN, per, Problemy Vrachebnogo
Kontrolya, No 5, 1960, pp 332-343.

JPRS 13422

192,119

Sci - Med
Apr 62

The Prospects for the Utilization of Informational-
Logical Machines in Chemistry (USSR), by L. I.
Gutemakher, G. E. Vleduts, 15 pp. 9857-17

RUSSIAN, bk, Problemy Vysshego Khimicheskogo i
Tekhnologicheskogo, Obrazovaniya, 1959.

JPRS R-331-D

NSF 60-72

Sci - Chem

Sep 60

125,001

17

(NY-3889)

Recommendations By the Symposium on Higher Chemical
and Technical Training Adopted at the Eighth
Mendeleev Congress on 23 March 1959, 9 pp.

RUSSIAN, monograph, Problemy Vysshego Khim i
Tekhnology Obrasovaniya, 1959, pp 32-41.

JPRS 2905

Sci - Chem/Misc

Jul 60

120,011

OC-1118

Problems of Higher Nervous Activity in Normal and Abnormal Children, by A. R. Luriya

RUSSIAN, bk, Problemy Vysshey Nervnoy Deyatel'nosti Normal'nogo i anomal'nogo Rebenka, Vol I, Moscow, 1956

8-5493

(NY-3089).

Changes in Cortical Dynamics Among School Children
in Connection With Various Physical Stresses, by
M. P. Ivanova, 13 pp.

RUSSIAN, bk, Problemy Yuznachaskogo Sports, No 1,
Moscow, 1958, pp 230-241.

JPRS-L-1071-M

Sci - Med -- Physiology
Dec 59

106, 491

Summary of Three Years' Research on Diluters of
Domestic Animals' Sperm, by V. K. Milovanov,
18 pp.

RUSSIAN, per, Prob Zhivotnovodstva, No 4, 1933,
pp 88-102. 95-100.

Sci Trans Center
RT-2702

Scientific - Biology
CTB 75/Dec 55

29,276

Insemination of Sheep With Gelatinized Sperm,
by V. K. Milovanov, 34 pp.

RUSSIAN, per, Prob Zhivotnovodstva, No 10, 1937,
pp 53-72.

Sci Trans Center
RT-2704

Scientific - Biology
CTB 75/Dec 55

29,277

Ammonium Hydroxide Treatment of Straw, by L. I.
Nikolayeva, 5 pp.

RUSSIAN, per, Problemy Zhivotnovodstva, Vol VII,
No 3, 1938, pp 175-187.

SLA R-2151

Sci

Aug 58

72,243

Respiration of Sperm and Its Influence on the
Vitality of Spermatozoa, by N. P. Shergin, 9 pp.

RUSSIAN, per, Prob ⁹ Zhivotnovodstva, No 11, 1938,
pp 131-134.

Sci Trans Center
RT-2703

Scientific - Biology
CTS 75/Dec 55

29,248

The Effect of Increased Protein-Rich Feeding on
the Sperm Production of Hogs, by I. M. Khudyakov,
19 pp.

RUSSIAN, per, Prob Zhivotnovodstva, No 12, 1938,
pp 33-42.

Sci Trans Center
RT-2701

Scientific - Biology
CTS 75/Dec 55

29, 281

A Device for the Determination of Core Frequency Properties in the Re-Magnetisation Process Along Hysteresis Symmetric Cycles Close to a Limiting Hysteresis Loop, by E. F. Berezhnoy, 17 pp.

RUSSIAN, bk, Probor dlya Opredeleeniya Chastotkhykh Svoystv Serdechnikov pri Peremagnichivanii po Simmetrichnym Tsiklam Gisterezisa, Vliiskim k Predel'nyam, Moscow, 1962, pp 1-16. 9669020

FTD-TT-62-1870

Sci-Phys
Jun 63

232,452

Dielectric Strength of Oxide Films on
Aluminum Odnys, by L. L. Platonov, F. S.
Raikerus.
RUSSIAN, rpt, Proboy Dielektrikov I Poluprov
Dokl 4th Chel. Mezhvuz. Konf. Tomks., 1963,
pp 319-322.
*FTD MT-24-148-67

Sci-Materials
Aug 67

326,427

Certain Rules of Electrical Breakdown of Solid
Dielectrics, by A. A. Vorob'yev, 11 pp.
RUSSIAN, per, Proboy Dielektrikov i Polupro-
vodnikov, Moscow-Leningrad, Izdatel'stvo
"Energiya", 1964, pp 10-21.
P100108768-V
FTD-MT-24-193-67

Sci/Physics
July 68

350,822

RE: TR CHECK

12-4-1

TDU1

PULSED ELECTRIC BREAKDOWN OF AIR AND
WATER VAPOR AT HIGH PRESSURES
VOROB'YEV, A.A., KALYASKIY, I.I.
UR-SBORNIK, PROBAY DIELETKRIKOV I POL-
UPROVODNIKOV. "ENERGIYA" PRESS.
MOSCOW-LENINGRAD 1964, pp 103-106

Negative
18 Apr 72

On the Theoretical Strength of Solid Dielectrics
during Electrical Breakdown, by A. A.

Vorob'yev, 2 pp.

RUSSIAN, per, Proboy Dielektrikov i Polupro-
vodnikov, Moscow-Leningrad, Izdatel'stvo
"Energiya", 1964, pp 106-108.

PI00108768-V

FTD-MF-24-193-67

Sci/Physics

July 68

350,823

Concerning the Development of a Discharge in
Solid Dielectrics, by V. Ya. Ushakov,
N. E. Torbin, 4 pp.
RUSSIAN, bk, Proboy Dielektrikov i Poluprovodnikov.
1964, pp 124-127.
AIR/FTD/HT-23-900-67

Sci-Phys
Nov 68

368,155

Investigating the Energy Characteristics of
Pulse Breakdown of Solid Dielectrics, by A. I.
Gavrilin, 4 pp.

RUSSIAN, per, Proboy Dielektrikov i Polupro-
vodnikov, Moscow-Leningrad, Izdatel'stvo
"Energiya", 1964, pp 166-170.

F100108768-V

FTD-MT-24-193-67

Sci/Physics
July 68

350,824

Measurement of the Angle of Twist and Angle
of Rotation of a Line of Force in a System
with a Helical Magnetic Field, by B.P.

Ilenko.

RUSSIAN, per Proc. 3rd Kharkov. Fusion Conf

No. 3, 1963, pp 211-216

NLL/9091.9 1965 (CTO/174

Sci -
Aug 67

337 - 632

The Habitats of Root-Knot Nematodes of the Family
Heteroderidae in the Armenian SSR, by E. E. Pogoseyan,
14 pp.

RUSSIAN, Proceedings of the Fifth All-Union Symposium
of Phytohelminthologists. Trans. of Nematodes Harmful
to Agriculture and Measures of their Control, Samarkand,
1962, pp 228-250.

CFSTI TT-65-23693

313,238

Sci - Biological and Medical Sciences
Oct 66

The Exochorion of Stegomyia Eggs,
by A. De Buck.
RUSSIAN, per, Proc. Kon. Nederl. Akad.
v Wetensch., No 41, 1938, pp 677-683.
NIA-12-10-64

Sci/BQM
Sep 65

288,765

Normally Solvable Operators and Ideals Associated
with Them, by I. C. Gohberg, A. S. Markus and
I. A. Fel'dman, 22 pp.
RUSSIAN, per, Proc. Moldavian Branch Acad. Sci. USSR,
No. 10(76), 1960
pp 51-69
Amer Math Soc Tr,
Vol 61, Series 2

337,017

Sci - Math
Sep 67

A Method For Measuring Sorbent, by R. G.
Cristallino, et al.

RUSSIAN, V. A. (1961) Vol. 1, No. 1, 1961, pp 85-87.

REF ID: A6253

Sci - Chem
Apr 60

114, 546

Processes of Dielectric Heating and Drying of
Wood, by V. A. Birjukov,
RUSSIAN, bk, Processy Dielektricheskogo Nagreva
i Suski Drevesiny, 1961, 148 pp.

*CISTI TT 67-51302

Sci-Elect & Electr Engr
Dec 66

The Calculation of Conical Shells by the Variational
Method of V. Z. Vlasov, B. A. Konovalov, 42 pp.

RUSSIAN, bk, Prochnost' & Aviatsionnykh Kon,
Trudy, Aviat's Inst, Oborongiz, Moskva, 1960,
pp 19-56. 9681623

FTD-TT-62-1652

Sci-Engr
May 63

229,507

The Equations of Axisymmetrical Three-Layer Shells
with a Light Filler, E by V. F. Karavanov, 27 pp.

RUSSIAN, bk, Prochnost' Aviatsionnykh Kon, Trudy,
Aviats Inst, Oborongiz, Moskva, 1960, pp 110-132.
9681623

FTD-TT-62-1652

Sci-Engr
May 63

229,508

Stability, Resistance to Shear, and Deformation
of Foundations of Structures on Hard Rock, by
P. D. Evdokimov and D. C. Sapegin,
RUSSIAN, rpt, Prochnost' Coprotivliayemost'
Sdvigu i Deformiruemost' Osnovaniy na Skal'nykh
Porodakh; Laboratornye i Polevye Eksperimental'-
nye Issledovaniya, 1964, 171 pp.
*CFSTI TT 67-51259

Sci-Ear Sci
Nov 66

Strength and Strain in Nonuniform Temperature
Fields, by Ya. B. Fridman.

RUSSIAN, bk, Prochnost' i Deformatsiya v Neravnomernykh
Temperaturnykh Pol'yakh.

~~*Possibly CB~~

CB

Sci
May 63

Calculation of the Strength of Metallic and
Plastic Cylindrical Vessels, Reinforced by
a Wind of High-Strength Material, by

A. M. Amel'yanchik, 30 pp.

RUSSIAN, per, Prochnost' i Dinamika
Aviatsionnykh Avigateley, Sbornik

Statey, No 1, 1964, pp 3-22.

P100055567

FTD MT 65-154

Sci-Materials
Mar 67

320,475

Strength and Dynamics of Aviation Motors,
RUSSIAN, per, Prochnost i Dinamika Aviatsionnykh
Dvigatelev. Sbornik Statey, No 1, 1964,
pp 175-216, 217-246, 247-276. P100225167-V
FTD-MT-58-520

Sci-Prop & Fuels
Aug 67

335,488

Strength Under High Transient Loads, by
Kh. A. Rakhmatulin, Yu. A. Dem'yanov.

RUSSIAN, bk, Prochnost pri Intensivnykh
Kratkovremennym Nagruzkakh.

IPST

Jan 64

Structure and Properties of the Metal of High-Pressure
Steam Tubes After Prolonged Use in Power Stations,
by E. S. Ginzburg. UNCL

RUSSIAN, per, Prochnost Metallov, 1956, pp 55-86.

9
*British Iron and
Steel Ind 1199

Sci - Min/Met
Apr 59

Influence of the Defects of the Crystal
Structure of the Destruction of Metals, by
I. Ya. Dakhtyar, 11 pp.

RUSSIAN, bk, Prochnost Metallov, 1956, pp 27-35.

OTS 60-16635

Sci

188, 923

30 Mar 62

61-13209

Vidman, D. N.
SHAPE STABILITY OF TURBINE SHAFTS AND
ROTORS AT HIGH TEMPERATURES. [1961] [18]p.
5 refs. [DSIR LLU] M 1889.
Order from OTS or SLA \$1.60

61-13209

Trans. of mono. Prochnost' Metallov, Moscow, 1956,
p. 67-80.

DESCRIPTORS: *Turbine blades, *Shafts, Stability,
Deflection, Thermal stresses, Thermal expansion.

An analysis shows that residual deflection of rotors
and shafts at high temperatures during operation are
caused by formation or relaxation of internal residual
stresses. Thermal instability of quality forgings is
not an irremovable defect. Thermal instability is
elastic thermal deformation at high temperatures. It
can be produced by the action of internal residual
stresses with an asymmetrical distribution diagram.
Structural heterogeneity of the metal has a similar
(Machinery--Engines, TT, v. 6, no. 1) (over)

I. Vidman, D. N.
II. DSIR LLU M.1889

161664

Office of Technical Services

Principles of the Alloying of Heat Resistant
Non-Ferrous Alloys, by M. V. Zakharov,
12 pp.

RUSSIAN, bk, Prochnost Metallov, 1956,
pp 80-90.

OTS 60-16634

Sci

188,927

30 Mar 62

Strength of Powder-Metal Materials and Alloys at Normal and High Temperatures, by G. S. ~~RR~~ Pisarenko, V. T. Troshchenko, et al, 316 pp.

RUSSIAN, bk, Prochnost' Metallokeramicheskikh Materialov i Splavov pri Normal'nykh i Vysokikh Temperaturakh, Kiev, 1962, pp 1-275.

JPRS 22247

Sci-Mat & Met
Dec 63

243,706

Dislocation Theories of Fatigue Cracks Formation,
yby I. A. Oding, V. S. Ivanova, 18 pp.
RUSSIAN, bk, Prochnost' Metallov pri Peremennykh
Nagruzkakh, Moscow, 1963, pp 3-13.
JPRS 25124

Sci - M/M
Jul 1964

262,975

The Change of Dislocation Structure of Metals
During Cyclical Stress, by V. S. Ivanova, 15 pp.
RUSSIAN, bk, Prochnost' Metallov pri Peremennykh
Nagruzkakh, Moscow, 1963, pp 14-22.
JPRS 25124

Sci - N/M
Jul 1964

262,976

Strength and Plasticity of Metals at Low
Temperatures, by G. V. Uzhik, 180 pp.

RUSSIAN, bk, 'Prochnost' i Plastichnost' Metallov
pri Nizkikh Temperaturakh, Ak Nauk SSSR, 1957;

MLL

JLA 62-15510

Sci - Phys

Jul 62

204,839

Strength and Creep of Frozen Soils and Computation
of Ice-soil Retaining Structures, by S. F. Vyalov

RUSSIAN, bk, Prochnost' i Poluchest' Mrazlykh
Gruntov i Raschet Leda-Gruntovykh Otkrasbdeniy.
Ak Nauk SSSR, Moscow, 1962,

*TSIC

Sci - Engr
Apr 1963

Strength and Destruction of Highly Elastic
Materials, by G. M. Bartenev, Yu. S. Zuyev,
351 pp.
RUSSIAN, bk, Prochnost' i Razrusheniye
Vysokoelasticheskikh Materialov, 1964, pp 1-
387. P100135568-V
FTD-MT-66-10

Sci-Mat
Jul 68

359,992

Structural Strength of Aircraft, by S. N. Kan, 137 pp,
(AP 722587). UNCLASSIFIED

RUSSIAN, bk, Prochnost' Samoleta, 1955, Moscow,
pp 155-208, 217-264.

(APIC P-78-10065/v

Sci - Aeronautics
May 58

64,035

Stability, Shear and Sliding Resistance,
and Deformation of Rock Foundations, 145 pp.
RUSSIAN, bk, Prochnost', Soprotivlyaemost'
Sdvigu i Deformiruemost' Osnovani Sootuzhenii
na Skal'nykh Porodakh, 1964.
CFSTI TT 67-51259

Sci/B&M
Jan 68

346,406